## **SIEMENS**

Data sheet 3RW5235-2AC14

SIRIUS



SIRIUS soft starter 200-480 V 143 A, 110-250 V AC spring-type terminals Analog output



product category	Hybrid switching devices
product designation	Soft starter
product type designation	3RW52
manufacturer's article number	
<ul> <li>of standard HMI module usable</li> </ul>	3RW5980-0HS00
<ul> <li>of high feature HMI module usable</li> </ul>	3RW5980-0HF00
<ul> <li>of communication module PROFINET standard usable</li> </ul>	3RW5980-0CS00
<ul> <li>of communication module PROFIBUS usable</li> </ul>	3RW5980-0CP00
<ul> <li>of communication module Modbus TCP usable</li> </ul>	3RW5980-0CT00
<ul> <li>of communication module Modbus RTU usable</li> </ul>	3RW5980-0CR00
<ul> <li>of communication module Ethernet/IP</li> </ul>	3RW5980-0CE00
<ul> <li>of circuit breaker usable at 400 V</li> </ul>	3VA2220-7MN32-0AA0; Type of coordination 1, Iq = 65 kA, CLASS 10
<ul> <li>of circuit breaker usable at 400 V at inside-delta circuit</li> </ul>	3VA2325-7MN32-0AA0; Type of coordination 1, Iq = 65 kA, CLASS 10
<ul> <li>of the gG fuse usable up to 690 V</li> </ul>	3NA3244-6; Type of coordination 1, Iq = 65 kA
<ul> <li>of the gG fuse usable at inside-delta circuit up to 500 V</li> </ul>	3NA3244-6; Type of coordination 1, Iq = 65 kA
<ul> <li>of full range R fuse link for semiconductor protection usable up to 690 V</li> </ul>	3NE1227-0; Type of coordination 2, Iq = 65 kA
<ul> <li>of back-up R fuse link for semiconductor protection usable up to 690 V</li> </ul>	3NE3334-0B; Type of coordination 2, Iq = 65 kA
eneral technical data	
starting voltage [%]	30 100 %
stopping voltage [%]	50 %; non-adjustable
start-up ramp time of soft starter	0 20 s
current limiting value [%] adjustable	130 700 %
certificate of suitability	
CE marking	Yes
UL approval	Yes
CSA approval	Yes
product component	
HMI-High Feature	No
• is supported HMI-Standard	Yes
is supported HMI-High Feature	Yes
product feature integrated bypass contact system	Yes
number of controlled phases	3
buffering time in the event of power failure	
	100 ms
for main current circuit	100 1115

insulation voltage rated value	600 V
degree of pollution	3, acc. to IEC 60947-4-2
impulse voltage rated value	6 kV
blocking voltage of the thyristor maximum	1 400 V
service factor	1
surge voltage resistance rated value	6 kV
maximum permissible voltage for protective separation	
<ul> <li>between main and auxiliary circuit</li> </ul>	600 V
shock resistance	15 g / 11 ms, from 12 g / 11 ms with potential contact lifting
utilization category according to IEC 60947-4-2	AC 53a
reference code according to IEC 81346-2	Q
Substance Prohibitance (Date)	02/15/2018
SVHC substance name	Lead - 7439-92-1 Lead monoxide (lead oxide) - 1317-36-8 2-methyl-1-(4-methylthiophenyl)-2-morpholinopropan-1-one - 71868-10-5 2,2',6,6'-tetrabromo-4,4'-isopropylidenediphenol - 79-94-7 1,6,7,8,9,14,15,16,17,17,18,18- Dodecachloropentacyclo[12.2.1.16,9.02,13.05,10]octadeca-7,15-diene ("Dechlorane Plus"™) covering any of its individual anti- and syn-isomers or any combination thereof Dibutylbis(pentane-2,4-dionato-O,O')tin - 22673-19-4 Dodecamethylcyclohexasiloxane (D6) - 540-97-6
product function	
<ul><li>ramp-up (soft starting)</li></ul>	Yes
• ramp-down (soft stop)	Yes
Soft Torque	Yes
adjustable current limitation	Yes
pump ramp down	Yes
intrinsic device protection	Yes
motor overload protection	Yes; Electronic motor overload protection
evaluation of thermistor motor protection	No
• inside-delta circuit	Yes
• auto-RESET	Yes
• manual RESET	Yes
remote reset     communication function	Yes; By turning off the control supply voltage Yes
	Yes; Only in conjunction with special accessories
<ul><li>operating measured value display</li><li>error logbook</li></ul>	Yes: Only in conjunction with special accessories
via software parameterizable	No
via software parameterizable     via software configurable	Yes
PROFlenergy	Yes: in connection with the PROFINET Standard communication module
• firmware update	Yes
removable terminal for control circuit	Yes
torque control	No
analog output	Yes; 4 20 mA (default) / 0 10 V (parameterizable with High Feature HMI)
ower Electronics	100, 4 20 IIIA (deladity / 0 10 v (parameterizable with high readile film)
operational current	
• at 40 °C rated value	143 A
at 50 °C rated value      at 50 °C rated value	128 A
at 60 °C rated value	118 A
operational current at inside-delta circuit	
at 40 °C rated value	248 A
at 50 °C rated value	222 A
• at 60 °C rated value	204 A
operating voltage	
rated value	200 480 V
at inside-delta circuit rated value	200 480 V
relative negative tolerance of the operating voltage	-15 %
relative positive tolerance of the operating voltage	10 %
relative negative tolerance of the operating voltage at inside-delta circuit	-15 %
relative positive tolerance of the operating voltage at inside-delta circuit	10 %
operating power for 3-phase motors	

-t 000 V -t 40 °Ctt v-tv-	07 134/
• at 230 V at 40 °C rated value	37 kW
at 230 V at inside-delta circuit at 40 °C rated value     at 400 V at 40 °C rated value.	75 kW
• at 400 V at 40 °C rated value	75 kW
at 400 V at inside-delta circuit at 40 °C rated value	132 kW
Operating frequency 1 rated value	50 Hz
Operating frequency 2 rated value	60 Hz
relative negative tolerance of the operating frequency	-10 %
relative positive tolerance of the operating frequency	10 %
adjustable motor current	CO A
at rotary coding switch on switch position 1	68 A
at rotary coding switch on switch position 2     at rotary coding switch on switch position 2	73 A 78 A
at rotary coding switch on switch position 3     at rotary coding switch on switch position 4.	83 A
at rotary coding switch on switch position 4     at rotary coding switch on switch position 5	88 A
at rotary coding switch on switch position 5     at rotary coding switch on switch position 6	93 A
at rotary coding switch on switch position 6     at rotary coding switch on switch position 7.	98 A
at rotary coding switch on switch position 7     at rotary coding switch on switch position 9	103 A
<ul> <li>at rotary coding switch on switch position 8</li> <li>at rotary coding switch on switch position 9</li> </ul>	103 A 108 A
<ul> <li>at rotary coding switch on switch position 9</li> <li>at rotary coding switch on switch position 10</li> </ul>	113 A
at rotary coding switch on switch position 10     at rotary coding switch on switch position 11	118 A
at rotary coding switch on switch position 11     at rotary coding switch on switch position 12	123 A
at rotary coding switch on switch position 12     at rotary coding switch on switch position 13	123 A 128 A
at rotary coding switch on switch position 14     at rotary coding switch on switch position 14	133 A
at rotary coding switch on switch position 14     at rotary coding switch on switch position 15	133 A
at rotary coding switch on switch position 16     at rotary coding switch on switch position 16	143 A
minimum	68 A
adjustable motor current	307
for inside-delta circuit at rotary coding switch on switch	118 A
position 1	
for inside-delta circuit at rotary coding switch on switch position 2	126 A
<ul> <li>for inside-delta circuit at rotary coding switch on switch position 3</li> </ul>	135 A
<ul> <li>for inside-delta circuit at rotary coding switch on switch position 4</li> </ul>	144 A
<ul> <li>for inside-delta circuit at rotary coding switch on switch position 5</li> </ul>	152 A
<ul> <li>for inside-delta circuit at rotary coding switch on switch position 6</li> </ul>	161 A
<ul> <li>for inside-delta circuit at rotary coding switch on switch position 7</li> </ul>	170 A
<ul> <li>for inside-delta circuit at rotary coding switch on switch position 8</li> </ul>	178 A
<ul> <li>for inside-delta circuit at rotary coding switch on switch position 9</li> </ul>	187 A
<ul> <li>for inside-delta circuit at rotary coding switch on switch position 10</li> </ul>	196 A
<ul> <li>for inside-delta circuit at rotary coding switch on switch position 11</li> </ul>	204 A
<ul> <li>for inside-delta circuit at rotary coding switch on switch position 12</li> </ul>	213 A
<ul> <li>for inside-delta circuit at rotary coding switch on switch position 13</li> </ul>	222 A
<ul> <li>for inside-delta circuit at rotary coding switch on switch position 14</li> </ul>	230 A
<ul> <li>for inside-delta circuit at rotary coding switch on switch position 15</li> </ul>	239 A
<ul> <li>for inside-delta circuit at rotary coding switch on switch position 16</li> </ul>	248 A
at inside-delta circuit minimum	118 A
minimum load [%]	15 %; Relative to smallest settable le
power loss [W] for rated value of the current at AC	
<ul> <li>at 40 °C after startup</li> </ul>	55 W
• at 50 °C after startup	50 W
• at 60 °C after startup	47 W
power loss [W] at AC at current limitation 350 %	

<ul> <li>at 40 °C during startup</li> </ul>	2 127 W
<ul> <li>at 50 °C during startup</li> </ul>	1 807 W
• at 60 °C during startup	1 605 W
Control circuit/ Control	
type of voltage of the control supply voltage	AC
control supply voltage at AC	
• at 50 Hz	110 250 V
• at 60 Hz	110 250 V
relative negative tolerance of the control supply voltage at AC at 50 Hz	-15 %
relative positive tolerance of the control supply voltage at AC at 50 Hz	10 %
relative negative tolerance of the control supply voltage at AC at 60 Hz	-15 %
relative positive tolerance of the control supply voltage at AC at 60 Hz	10 %
control supply voltage frequency	50 60 Hz
relative negative tolerance of the control supply voltage frequency	-10 %
relative positive tolerance of the control supply voltage frequency	10 %
control supply current in standby mode rated value	30 mA
holding current in bypass operation rated value	75 mA
inrush current by closing the bypass contacts maximum	2.5 A
inrush current by closing the bypass contacts maximum inrush current peak at application of control supply voltage	12.2 A
maximum  duration of inrush current peak at application of control supply	2.2 ms
voltage	
design of the overvoltage protection	Varistor
design of short-circuit protection for control circuit	4 A gG fuse (Icu=1 kA), 6 A quick-acting fuse (Icu=1 kA), C1 miniature circuit breaker (Icu= 600 A), C6 miniature circuit breaker (Icu= 300 A); Is not part of scope of supply
Inputs/ Outputs	
number of digital inputs	1
number of digital outputs	3
not parameterizable	2
digital output version	2 normally-open contacts (NO) / 1 changeover contact (CO)
number of analog outputs	1
switching capacity current of the relay outputs	0.4
• at AC-15 at 250 V rated value	3 A
at DC-13 at 24 V rated value	1 A
Installation/ mounting/ dimensions	
motanation, mounting, annonsions	
mounting position	with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back
mounting position fastening method	+/- 22.5° tiltable to the front and back screw fixing
mounting position  fastening method height	+/- 22.5° tiltable to the front and back screw fixing 306 mm
mounting position fastening method	+/- 22.5° tiltable to the front and back screw fixing
mounting position  fastening method height	+/- 22.5° tiltable to the front and back screw fixing 306 mm
mounting position  fastening method height width	+/- 22.5° tiltable to the front and back screw fixing 306 mm 185 mm
mounting position  fastening method height width depth	+/- 22.5° tiltable to the front and back screw fixing 306 mm 185 mm
mounting position  fastening method height width depth required spacing with side-by-side mounting	+/- 22.5° tiltable to the front and back screw fixing 306 mm 185 mm 203 mm
mounting position  fastening method height width depth required spacing with side-by-side mounting • forwards	+/- 22.5° tiltable to the front and back screw fixing 306 mm 185 mm 203 mm
mounting position  fastening method height width depth required spacing with side-by-side mounting • forwards • backwards	+/- 22.5° tiltable to the front and back screw fixing 306 mm 185 mm 203 mm
mounting position  fastening method height width depth required spacing with side-by-side mounting • forwards • backwards • upwards	+/- 22.5° tiltable to the front and back screw fixing 306 mm 185 mm 203 mm  10 mm 0 mm
mounting position  fastening method height width depth required spacing with side-by-side mounting • forwards • backwards • upwards • downwards	+/- 22.5° tiltable to the front and back screw fixing 306 mm 185 mm 203 mm  10 mm 0 mm 100 mm
mounting position  fastening method height width depth required spacing with side-by-side mounting	+/- 22.5° tiltable to the front and back screw fixing 306 mm 185 mm 203 mm  10 mm 0 mm 100 mm 75 mm 5 mm
mounting position  fastening method height width depth required spacing with side-by-side mounting	+/- 22.5° tiltable to the front and back screw fixing 306 mm 185 mm 203 mm  10 mm 0 mm 100 mm 75 mm 5 mm
mounting position  fastening method height width depth required spacing with side-by-side mounting • forwards • backwards • backwards • downwards • downwards • at the side weight without packaging Connections/ Terminals	+/- 22.5° tiltable to the front and back screw fixing 306 mm 185 mm 203 mm  10 mm 0 mm 100 mm 75 mm 5 mm
mounting position  fastening method height width depth required spacing with side-by-side mounting	+/- 22.5° tiltable to the front and back screw fixing 306 mm 185 mm 203 mm  10 mm 0 mm 100 mm 75 mm 5 mm 6.6 kg
mounting position  fastening method height width depth required spacing with side-by-side mounting	+/- 22.5° tiltable to the front and back screw fixing 306 mm 185 mm 203 mm  10 mm 0 mm 100 mm 75 mm 5 mm 6.6 kg
mounting position  fastening method height width depth required spacing with side-by-side mounting • forwards • backwards • upwards • downwards • at the side  weight without packaging  Connections/ Terminals  type of electrical connection • for main current circuit • for control circuit width of connection bar maximum	+/- 22.5° tiltable to the front and back screw fixing 306 mm 185 mm 203 mm  10 mm 0 mm 100 mm 75 mm 5 mm 6.6 kg
mounting position  fastening method height width depth required spacing with side-by-side mounting	+/- 22.5° tiltable to the front and back screw fixing 306 mm 185 mm 203 mm  10 mm 0 mm 100 mm 75 mm 5 mm 6.6 kg  busbar connection spring-loaded terminals 25 mm
mounting position  fastening method height width depth required spacing with side-by-side mounting • forwards • backwards • upwards • downwards • at the side weight without packaging Connections/ Terminals type of electrical connection • for main current circuit • for control circuit width of connectable conductor cross-sections • for DIN cable lug for main contacts stranded	+/- 22.5° tiltable to the front and back screw fixing 306 mm 185 mm 203 mm  10 mm 0 mm 100 mm 75 mm 5 mm 6.6 kg  busbar connection spring-loaded terminals 25 mm  2x (16 95 mm²)
mounting position  fastening method height width depth required spacing with side-by-side mounting	+/- 22.5° tiltable to the front and back screw fixing 306 mm 185 mm 203 mm  10 mm 0 mm 100 mm 75 mm 5 mm 6.6 kg  busbar connection spring-loaded terminals 25 mm

<ul> <li>during storage and transport</li> <li>-40 +80 °C</li> <li>environmental category</li> <li>during operation according to IEC 60721</li> <li>during storage according to IEC 60721</li> <li>during storage according to IEC 60721</li> <li>during transport according to IEC 60721</li> <li>during transport according to IEC 60721</li> <li>Environmental footprint</li> <li>Siemens Eco Profile (SEP)</li> <li>Siemens EcoTech</li> <li>EMC emitted interference</li> <li>acc. to IEC 60947-4-2: Class A</li> <li>Communication module is supported</li> </ul>	for control circuit finely stranded with core end processing     for AWG cables for control circuit solid     for AWG cables for control circuit finely stranded with core end processing  wire length     between soft starter and motor maximum     at the digital inputs at AC maximum  tightening torque     for main contacts with screw-type terminals     for auxiliary and control contacts with screw-type terminals	2x (0.25 1.5 mm²) 2x (24 16) 2x (24 16)
for AWG cables for control circuit solid         if or AWG cables for control circuit finely stranded with core end processing  wire length         ibetween soft starter and motor maximum	for AWG cables for control circuit solid     for AWG cables for control circuit finely stranded with core end processing  wire length     between soft starter and motor maximum     at the digital inputs at AC maximum  tightening torque     for main contacts with screw-type terminals     for auxiliary and control contacts with screw-type terminals	2x (24 16) 2x (24 16) 800 m
for AWG cables for control circuit finely stranded with core end processing  wire length	for AWG cables for control circuit finely stranded with core end processing  wire length     between soft starter and motor maximum     at the digital inputs at AC maximum  tightening torque     for main contacts with screw-type terminals     for auxiliary and control contacts with screw-type terminals	2x (24 16) 800 m
wire length  • between soft starter and motor maximum  • at the digital inputs at AC maximum  100 m  tightening torque  • for main contacts with screw-type terminals  • for auxillary and control contacts with screw-type terminals  tightening torque [lbf-in]  • for main contacts with screw-type terminals  • for auxillary and control contacts with screw-type terminals  • for auxillary and control contacts with screw-type terminals  • for auxillary and control contacts with screw-type terminals  Ambient conditions  installation altitude at height above sea level maximum  ambient temperature  • during operation  • during storage and transport  • during operation according to IEC 60721  • during operation according to IEC 60721  • during storage according to IEC 60721  • during transport according to IEC 60721  • Siemens Eco Profile (SEP)  EMC emitted interference  communication / Protocol  communication module is supported	core end processing  wire length  • between soft starter and motor maximum  • at the digital inputs at AC maximum  tightening torque  • for main contacts with screw-type terminals  • for auxiliary and control contacts with screw-type terminals	800 m
between soft starter and motor maximum     at the digital inputs at AC maximum      itightening torque     or main contacts with screw-type terminals     of or auxiliary and control contacts with screw-type terminals     of or auxiliary and control contacts with screw-type terminals      tightening torque [lbf·in]     or main contacts with screw-type terminals     of or auxiliary and control contacts with screw-type terminals     or auxiliary and control contacts with screw-type terminals      Ambient conditions  installation altitude at height above sea level maximum     ambient temperature     ouring operation     during operation     during storage and transport     or during operation according to IEC 60721     or during operation according to IEC 60721     or during storage according to IEC 60721     or during storage according to IEC 60721     or during transport according to IEC 60721     or d	between soft starter and motor maximum     at the digital inputs at AC maximum  tightening torque     for main contacts with screw-type terminals     for auxiliary and control contacts with screw-type terminals	
at the digital inputs at AC maximum  tightening torque  for main contacts with screw-type terminals  for auxiliary and control contacts with screw-type terminals  tightening torque [lbf-in]  for main contacts with screw-type terminals  for auxiliary and control contacts with screw-type terminals  for main contacts with screw-type terminals  for auxiliary and control contacts with screw-type terminals  for auxiliary and control contacts with screw-type  terminals  Ambient conditions  installation altitude at height above sea level maximum  ambient temperature  during operation  during storage and transport  environmental category  during operation according to IEC 60721  standard for into the devices), 3M6  during storage according to IEC 60721  during transport according to IEC 60721  during transport according to IEC 60721  during transport according to IEC 60721  environmental footprint  Siemens Eco Profile (SEP)  Siemens Eco Tech  EMC emitted interference  communication/ Protocol  communication module is supported	at the digital inputs at AC maximum  tightening torque     for main contacts with screw-type terminals     for auxiliary and control contacts with screw-type terminals	
tightening torque  • for main contacts with screw-type terminals  • for auxiliary and control contacts with screw-type terminals  tightening torque [lbf-in]  • for main contacts with screw-type terminals  • for auxiliary and control contacts with screw-type  • for auxiliary and control contacts with screw-type  • dur	for main contacts with screw-type terminals     for auxiliary and control contacts with screw-type terminals	100 m
• for main contacts with screw-type terminals     • for auxiliary and control contacts with screw-type     terminals  tightening torque [lbf-in]     • for main contacts with screw-type terminals     • for auxiliary and control contacts with screw-type     terminals  Ambient conditions  installation altitude at height above sea level maximum     ambient temperature     • during operation     • during storage and transport  environmental category     • during operation according to IEC 60721     • during storage according to IEC 60721     • during transport according to IEC 60721     • Siemens Eco Profile (SEP)     • Siemens Eco Profile (SEP)     • Siemens EcoTech     • Communication Module is supported  10 14 N·m  0.8 1.2 N·m  10 12 N·m  10 14 N·m  0.8 1.2 N·m  10 12 N·m  10 14 N·m  0.8 1.2 N·m  10 14 N·m  10 14 N·m  0.8 1.2 N·m  10 12 N·m  10 14 N·m  10 14 N·m  10 14 N·m  10 14 N·m  10 12 N·m  10	for main contacts with screw-type terminals     for auxiliary and control contacts with screw-type terminals	
• for main contacts with screw-type terminals     • for auxiliary and control contacts with screw-type     terminals  tightening torque [lbf-in]     • for main contacts with screw-type terminals     • for auxiliary and control contacts with screw-type     terminals  Ambient conditions  installation altitude at height above sea level maximum     ambient temperature     • during operation     • during storage and transport  environmental category     • during operation according to IEC 60721     • during storage according to IEC 60721     • during transport according to IEC 60721     • Siemens Eco Profile (SEP)     • Siemens Eco Profile (SEP)     • Siemens EcoTech     • Communication Module is supported  10 14 N·m  0.8 1.2 N·m  10 12 N·m  10 14 N·m  0.8 1.2 N·m  10 12 N·m  10 14 N·m  0.8 1.2 N·m  10 14 N·m  10 14 N·m  0.8 1.2 N·m  10 12 N·m  10 14 N·m  10 14 N·m  10 14 N·m  10 14 N·m  10 12 N·m  10	for main contacts with screw-type terminals     for auxiliary and control contacts with screw-type terminals	
• for auxiliary and control contacts with screw-type terminals  tightening torque [lbf-in]     • for main contacts with screw-type terminals     • for auxiliary and control contacts with screw-type terminals  Ambient conditions  installation altitude at height above sea level maximum  ambient temperature     • during operation     • during storage and transport  • during operation according to IEC 60721  • during storage according to IEC 60721  • during storage according to IEC 60721  • during transport according to IEC 60721  • d	for auxiliary and control contacts with screw-type terminals	10 14 N·m
terminals  tightening torque [lbf-in]  • for main contacts with screw-type terminals  • for auxiliary and control contacts with screw-type terminals  Ambient conditions  installation altitude at height above sea level maximum  ambient temperature  • during operation  • during storage and transport  • during operation according to IEC 60721  • during storage according to IEC 60721  • during storage according to IEC 60721  • during transport according t	terminals	
• for main contacts with screw-type terminals     • for auxiliary and control contacts with screw-type terminals  Ambient conditions  installation altitude at height above sea level maximum  ambient temperature     • during operation     • during storage and transport  environmental category  • during operation according to IEC 60721  akide (only occasional condensation), 3C3 (no salt mist), 3 (sand must not get into the devices), 3M6  • during transport according to IEC 60721  akide (only occasional condensation), 1C2 (no salt mist), 1S2 (sand must not inside the devices), 1M4  • during transport according to IEC 60721  Siemens Eco Profile (SEP)  EMC emitted interference  communication module is supported	tightening torque [ibt·in]	0.0 1.2
for auxiliary and control contacts with screw-type terminals      Ambient conditions  installation altitude at height above sea level maximum     ambient temperature     during operation     during storage and transport     during operation according to IEC 60721     during storage according to IEC 60721     during storage according to IEC 60721     during transport according to IEC 60721     during transport according to IEC 60721     during transport according to IEC 60721     Siemens Eco Profile (SEP)     Siemens Eco Tech     EMC emitted interference     communication module is supported      7 10.3 lbf-in  1		
terminals  Ambient conditions  installation altitude at height above sea level maximum  ambient temperature  • during operation  • during storage and transport  • during operation according to IEC 60721  • during storage according to IEC 60721  • during transport according to IEC 60721  • Siemens Eco Profile (SEP)  EMC emitted interference  acc. to IEC 60947-4-2: Class A  Communication/ Protocol  communication module is supported	for main contacts with screw-type terminals	
installation altitude at height above sea level maximum  ambient temperature  during operation during storage and transport  during operation according to IEC 60721  during storage according to IEC 60721  during transport according to IEC 60721  during transport according to IEC 60721  eduring transport according to IEC 60721  during transport according to IEC 60721  durin	2.	7 10.3 lbf·in
installation altitude at height above sea level maximum  ambient temperature  • during operation • during storage and transport • during operation according to IEC 60721 • during storage according to IEC 60721  • during storage according to IEC 60721  • during storage according to IEC 60721  • during storage according to IEC 60721  • during transport according to IEC 60721  • Discontinuous proposed according to IEC 60921  • Discontinuous proposed according to IEC 60921  • Discontinuous proposed according to IEC 60947-4-2: Class A  Communication Protocol  communication module is supported		
ambient temperature  • during operation  • during storage and transport  • during operation according to IEC 60721  • during operation according to IEC 60721  • during storage according to IEC 60721  • during storage according to IEC 60721  • during transport according to IEC 60721		7.000 P. II. (1000
<ul> <li>during operation         <ul> <li>during storage and transport</li> <li>40 +80 °C</li> </ul> </li> <li>environmental category         <ul> <li>during operation according to IEC 60721</li> <li>3K6 (no ice formation, only occasional condensation), 3C3 (no salt mist), 3 (sand must not get into the devices), 3M6</li> <li>during storage according to IEC 60721</li> <li>K6 (only occasional condensation), 1C2 (no salt mist), 1S2 (sand must not inside the devices), 1M4</li> <li>during transport according to IEC 60721</li> <li>2K2, 2C1, 2S1, 2M2 (max. fall height 0.3 m)</li> </ul> </li> <li>Environmental footprint         <ul> <li>Siemens Eco Profile (SEP)</li> <li>Siemens EcoTech</li> </ul> </li> <li>EMC emitted interference</li> <li>acc. to IEC 60947-4-2: Class A</li> <li>Communication/ Protocol</li> <li>communication module is supported</li> </ul>	9	5 000 m; Derating as of 1000 m, see catalog
<ul> <li>during storage and transport</li> <li>environmental category</li> <li>during operation according to IEC 60721</li> <li>during storage according to IEC 60721</li> <li>during storage according to IEC 60721</li> <li>during transport according to IEC 60721</li> <li>during transport according to IEC 60721</li> <li>Environmental footprint</li> <li>Siemens Eco Profile (SEP)</li> <li>Siemens EcoTech</li> <li>EMC emitted interference</li> <li>acc. to IEC 60947-4-2: Class A</li> <li>Communication module is supported</li> </ul>		
environmental category  • during operation according to IEC 60721  • during storage according to IEC 60721  • during storage according to IEC 60721  • during transport according to IEC 60721  • during transport according to IEC 60721  Environmental footprint  Siemens Eco Profile (SEP)  Siemens EcoTech  EMC emitted interference  Communication/ Protocol  communication module is supported		-25 +60 °C; Please observe derating at temperatures of 40 °C or above
<ul> <li>during operation according to IEC 60721         <ul> <li>3K6 (no ice formation, only occasional condensation), 3C3 (no salt mist), 3 (sand must not get into the devices), 3M6</li> </ul> </li> <li>during storage according to IEC 60721         <ul> <li>1K6 (only occasional condensation), 1C2 (no salt mist), 1S2 (sand must not inside the devices), 1M4</li> <li>during transport according to IEC 60721             <ul> <li>2K2, 2C1, 2S1, 2M2 (max. fall height 0.3 m)</li> <li>Environmental footprint</li> <li>Siemens Eco Profile (SEP)</li> <li>Siemens EcoTech</li> <li>EMC emitted interference</li> <li>acc. to IEC 60947-4-2: Class A</li> <li>Communication module is supported</li> </ul> </li> </ul> </li> </ul>	during storage and transport	-40 +80 °C
(sand must not get into the devices), 3M6  • during storage according to IEC 60721  • during transport according to IEC 60721  • during transport according to IEC 60721  Environmental footprint  Siemens Eco Profile (SEP)  Siemens EcoTech  EMC emitted interference  Communication/ Protocol  communication module is supported	environmental category	
inside the devices), 1M4  • during transport according to IEC 60721  Environmental footprint  Siemens Eco Profile (SEP)  Siemens EcoTech  EMC emitted interference  acc. to IEC 60947-4-2: Class A  Communication/ Protocol  communication module is supported	<ul> <li>during operation according to IEC 60721</li> </ul>	3K6 (no ice formation, only occasional condensation), 3C3 (no salt mist), 3S2 (sand must not get into the devices), 3M6
Environmental footprint Siemens Eco Profile (SEP) Siemens EcoTech EMC emitted interference acc. to IEC 60947-4-2: Class A Communication/ Protocol communication module is supported	during storage according to IEC 60721	1K6 (only occasional condensation), 1C2 (no salt mist), 1S2 (sand must not get inside the devices), 1M4
Environmental footprint Siemens Eco Profile (SEP) Siemens EcoTech EMC emitted interference acc. to IEC 60947-4-2: Class A Communication/ Protocol communication module is supported	during transport according to IEC 60721	
Siemens Eco Profile (SEP)  Siemens EcoTech  acc. to IEC 60947-4-2: Class A  Communication/ Protocol  communication module is supported	nvironmental footprint	
EMC emitted interference acc. to IEC 60947-4-2: Class A  Communication / Protocol  communication module is supported		Siemens EcoTech
Communication/ Protocol  communication module is supported	·	
communication module is supported	ommunication/ Protocol	
PROFINET standard     Yes	PROFINET standard	Yes
• EtherNet/IP Yes		
Modbus RTU  Yes		
Modbus TCP      Modbus TCP  Yes		
		i es
		Voc
	• PROFIBUS	Yes
	PROFIBUS  L/CSA ratings	Yes
	PROFIBUS  L/CSA ratings  manufacturer's article number	Yes
	PROFIBUS  L/CSA ratings  manufacturer's article number      of circuit breaker usable for Standard Faults	
— 60/480 V according to UL Siemens type: 3VA52, max. 250 A; Iq max = 65 kA	PROFIBUS  L/CSA ratings  manufacturer's article number  of circuit breaker usable for Standard Faults  — at 460/480 V according to UL	Siemens type: 3VA52, max. 250 A; lq = 10 kA
— at 460/480 V at inside-delta circuit according to UL Siemens type: 3VA52, max. 250 A; Iq = 10 kA	PROFIBUS  L/CSA ratings  manufacturer's article number  of circuit breaker usable for Standard Faults  — at 460/480 V according to UL	Siemens type: 3VA52, max. 250 A; Iq = 10 kA Siemens type: 3VA52, max. 250 A; Iq max = 65 kA
— 60/480 V at inside-delta circuit according to UL Siemens type: 3VA52, max. 250 A; Iq max = 65 kA	PROFIBUS  L/CSA ratings  manufacturer's article number  of circuit breaker usable for Standard Faults  — at 460/480 V according to UL  — 60/480 V according to UL	Siemens type: 3VA52, max. 250 A; Iq = 10 kA Siemens type: 3VA52, max. 250 A; Iq max = 65 kA
— at 575/600 V according to UL Siemens type: 3VA52, max. 250 A; Iq = 10 kA	PROFIBUS  L/CSA ratings  manufacturer's article number  of circuit breaker usable for Standard Faults  — at 460/480 V according to UL  — 60/480 V according to UL  — at 460/480 V at inside-delta circuit according to UL	Siemens type: 3VA52, max. 250 A; Iq = 10 kA Siemens type: 3VA52, max. 250 A; Iq max = 65 kA Siemens type: 3VA52, max. 250 A; Iq = 10 kA
— at 575/600 V at inside-delta circuit according to UL Siemens type: 3VA52, max. 250 A; Iq = 10 kA	PROFIBUS  L/CSA ratings  manufacturer's article number  of circuit breaker usable for Standard Faults  — at 460/480 V according to UL  — 60/480 V according to UL  — at 460/480 V at inside-delta circuit according to UL  — 60/480 V at inside-delta circuit according to UL	Siemens type: 3VA52, max. 250 A; Iq = 10 kA Siemens type: 3VA52, max. 250 A; Iq max = 65 kA Siemens type: 3VA52, max. 250 A; Iq = 10 kA Siemens type: 3VA52, max. 250 A; Iq max = 65 kA
• of the fuse	PROFIBUS  L/CSA ratings  manufacturer's article number  of circuit breaker usable for Standard Faults  — at 460/480 V according to UL  — 60/480 V according to UL  — at 460/480 V at inside-delta circuit according to UL  — 60/480 V at inside-delta circuit according to UL  — at 575/600 V according to UL	Siemens type: 3VA52, max. 250 A; Iq = 10 kA Siemens type: 3VA52, max. 250 A; Iq max = 65 kA Siemens type: 3VA52, max. 250 A; Iq = 10 kA Siemens type: 3VA52, max. 250 A; Iq max = 65 kA Siemens type: 3VA52, max. 250 A; Iq = 10 kA
— usable for Standard Faults up to 575/600 V Type: Class RK5 / K5, max. 350 A; Iq = 10 kA according to UL	PROFIBUS  L/CSA ratings  manufacturer's article number  of circuit breaker usable for Standard Faults  — at 460/480 V according to UL  — 60/480 V according to UL  — at 460/480 V at inside-delta circuit according to UL  — 60/480 V at inside-delta circuit according to UL  — at 575/600 V according to UL  — at 575/600 V at inside-delta circuit according to UL	Siemens type: 3VA52, max. 250 A; Iq = 10 kA Siemens type: 3VA52, max. 250 A; Iq max = 65 kA Siemens type: 3VA52, max. 250 A; Iq = 10 kA Siemens type: 3VA52, max. 250 A; Iq max = 65 kA Siemens type: 3VA52, max. 250 A; Iq = 10 kA
— usable for High Faults up to 575/600 V according to  Type: Class J / L, max. 350 A; Iq = 100 kA	PROFIBUS  L/CSA ratings  manufacturer's article number  of circuit breaker usable for Standard Faults  — at 460/480 V according to UL  — 60/480 V according to UL  — at 460/480 V at inside-delta circuit according to UL  — 60/480 V at inside-delta circuit according to UL  — at 575/600 V according to UL  — at 575/600 V at inside-delta circuit according to UL  of the fuse  — usable for Standard Faults up to 575/600 V	Siemens type: 3VA52, max. 250 A; Iq = 10 kA Siemens type: 3VA52, max. 250 A; Iq max = 65 kA Siemens type: 3VA52, max. 250 A; Iq = 10 kA Siemens type: 3VA52, max. 250 A; Iq max = 65 kA Siemens type: 3VA52, max. 250 A; Iq = 10 kA Siemens type: 3VA52, max. 250 A; Iq = 10 kA
	PROFIBUS  L/CSA ratings  manufacturer's article number  of circuit breaker usable for Standard Faults  — at 460/480 V according to UL  — 60/480 V according to UL  — at 460/480 V at inside-delta circuit according to UL  — 60/480 V at inside-delta circuit according to UL  — at 575/600 V according to UL  — at 575/600 V at inside-delta circuit according to UL  of the fuse  — usable for Standard Faults up to 575/600 V according to UL  — usable for High Faults up to 575/600 V according to	Siemens type: 3VA52, max. 250 A; Iq = 10 kA Siemens type: 3VA52, max. 250 A; Iq max = 65 kA Siemens type: 3VA52, max. 250 A; Iq = 10 kA Siemens type: 3VA52, max. 250 A; Iq max = 65 kA Siemens type: 3VA52, max. 250 A; Iq = 10 kA Siemens type: 3VA52, max. 250 A; Iq = 10 kA Type: Class RK5 / K5, max. 350 A; Iq = 10 kA
	PROFIBUS  L/CSA ratings  manufacturer's article number  of circuit breaker usable for Standard Faults  — at 460/480 V according to UL  — 60/480 V according to UL  — at 460/480 V at inside-delta circuit according to UL  — 60/480 V at inside-delta circuit according to UL  — at 575/600 V according to UL  — at 575/600 V at inside-delta circuit according to UL  of the fuse  — usable for Standard Faults up to 575/600 V according to UL  — usable for High Faults up to 575/600 V according to UL  — usable for Standard Faults at inside-delta circuit up	Siemens type: 3VA52, max. 250 A; Iq = 10 kA Siemens type: 3VA52, max. 250 A; Iq max = 65 kA Siemens type: 3VA52, max. 250 A; Iq = 10 kA Siemens type: 3VA52, max. 250 A; Iq max = 65 kA Siemens type: 3VA52, max. 250 A; Iq = 10 kA Siemens type: 3VA52, max. 250 A; Iq = 10 kA Type: Class RK5 / K5, max. 350 A; Iq = 10 kA
to 575/600 V according to UL  — usable for High Faults at inside-delta circuit up to  Type: Class J / L, max. 350 A; Iq = 100 kA	PROFIBUS  L/CSA ratings  manufacturer's article number  of circuit breaker usable for Standard Faults  — at 460/480 V according to UL  — 60/480 V according to UL  — at 460/480 V at inside-delta circuit according to UL  — 60/480 V at inside-delta circuit according to UL  — at 575/600 V according to UL  — at 575/600 V at inside-delta circuit according to UL  of the fuse  — usable for Standard Faults up to 575/600 V according to UL  — usable for High Faults up to 575/600 V according to UL  — usable for Standard Faults at inside-delta circuit up to 575/600 V according to UL  — usable for High Faults at inside-delta circuit up to 575/600 V according to UL  — usable for High Faults at inside-delta circuit up to 575/600 V according to UL	Siemens type: 3VA52, max. 250 A; Iq = 10 kA Siemens type: 3VA52, max. 250 A; Iq max = 65 kA Siemens type: 3VA52, max. 250 A; Iq = 10 kA Siemens type: 3VA52, max. 250 A; Iq max = 65 kA Siemens type: 3VA52, max. 250 A; Iq = 10 kA Siemens type: 3VA52, max. 250 A; Iq = 10 kA Siemens type: 3VA52, max. 250 A; Iq = 10 kA Type: Class RK5 / K5, max. 350 A; Iq = 10 kA Type: Class RK5 / K5, max. 350 A; Iq = 10 kA
to 575/600 V according to UL  — usable for High Faults at inside-delta circuit up to 575/600 V according to UL  Type: Class J / L, max. 350 A; Iq = 100 kA	PROFIBUS  L/CSA ratings  manufacturer's article number  of circuit breaker usable for Standard Faults  — at 460/480 V according to UL  — 60/480 V at inside-delta circuit according to UL  — 60/480 V at inside-delta circuit according to UL  — at 575/600 V according to UL  — at 575/600 V at inside-delta circuit according to UL  — at 575/600 V at inside-delta circuit according to UL  of the fuse  — usable for Standard Faults up to 575/600 V according to UL  — usable for High Faults up to 575/600 V according to UL  — usable for Standard Faults at inside-delta circuit up to 575/600 V according to UL  — usable for High Faults at inside-delta circuit up to 575/600 V according to UL	Siemens type: 3VA52, max. 250 A; Iq = 10 kA Siemens type: 3VA52, max. 250 A; Iq max = 65 kA Siemens type: 3VA52, max. 250 A; Iq = 10 kA Siemens type: 3VA52, max. 250 A; Iq max = 65 kA Siemens type: 3VA52, max. 250 A; Iq = 10 kA Siemens type: 3VA52, max. 250 A; Iq = 10 kA Siemens type: 3VA52, max. 250 A; Iq = 10 kA Type: Class RK5 / K5, max. 350 A; Iq = 10 kA Type: Class RK5 / K5, max. 350 A; Iq = 10 kA
to 575/600 V according to UL  — usable for High Faults at inside-delta circuit up to 575/600 V according to UL  operating power [hp] for 3-phase motors  Type: Class J / L, max. 350 A; Iq = 100 kA	PROFIBUS  L/CSA ratings  manufacturer's article number  of circuit breaker usable for Standard Faults  — at 460/480 V according to UL  — 60/480 V at inside-delta circuit according to UL  — 60/480 V at inside-delta circuit according to UL  — at 575/600 V according to UL  — at 575/600 V at inside-delta circuit according to UL  of the fuse  — usable for Standard Faults up to 575/600 V according to UL  — usable for High Faults up to 575/600 V according to UL  — usable for Standard Faults at inside-delta circuit up to 575/600 V according to UL  — usable for High Faults at inside-delta circuit up to 575/600 V according to UL  — usable for High Faults at inside-delta circuit up to 575/600 V according to UL  — usable for High Faults at inside-delta circuit up to 575/600 V according to UL  operating power [hp] for 3-phase motors	Siemens type: 3VA52, max. 250 A; Iq = 10 kA Siemens type: 3VA52, max. 250 A; Iq max = 65 kA Siemens type: 3VA52, max. 250 A; Iq = 10 kA Siemens type: 3VA52, max. 250 A; Iq max = 65 kA Siemens type: 3VA52, max. 250 A; Iq = 10 kA Siemens type: 3VA52, max. 250 A; Iq = 10 kA Siemens type: 3VA52, max. 250 A; Iq = 10 kA Type: Class RK5 / K5, max. 350 A; Iq = 10 kA Type: Class J / L, max. 350 A; Iq = 100 kA Type: Class RK5 / K5, max. 350 A; Iq = 10 kA Type: Class RK5 / K5, max. 350 A; Iq = 10 kA
to 575/600 V according to UL  — usable for High Faults at inside-delta circuit up to 575/600 V according to UL  operating power [hp] for 3-phase motors  • at 200/208 V at 50 °C rated value  Type: Class J / L, max. 350 A; Iq = 100 kA  40 hp	PROFIBUS  L/CSA ratings  manufacturer's article number  of circuit breaker usable for Standard Faults  — at 460/480 V according to UL  — 60/480 V at inside-delta circuit according to UL  — 60/480 V at inside-delta circuit according to UL  — at 575/600 V according to UL  — at 575/600 V at inside-delta circuit according to UL  of the fuse  — usable for Standard Faults up to 575/600 V according to UL  — usable for High Faults up to 575/600 V according to UL  — usable for Standard Faults at inside-delta circuit up to 575/600 V according to UL  — usable for High Faults at inside-delta circuit up to 575/600 V according to UL  — usable for High Faults at inside-delta circuit up to 575/600 V according to UL  — usable for High Faults at inside-delta circuit up to 575/600 V according to UL  operating power [hp] for 3-phase motors  at 200/208 V at 50 °C rated value	Siemens type: 3VA52, max. 250 A; Iq = 10 kA Siemens type: 3VA52, max. 250 A; Iq max = 65 kA Siemens type: 3VA52, max. 250 A; Iq = 10 kA Siemens type: 3VA52, max. 250 A; Iq max = 65 kA Siemens type: 3VA52, max. 250 A; Iq = 10 kA Siemens type: 3VA52, max. 250 A; Iq = 10 kA Siemens type: 3VA52, max. 250 A; Iq = 10 kA Type: Class RK5 / K5, max. 350 A; Iq = 10 kA Type: Class J / L, max. 350 A; Iq = 100 kA Type: Class RK5 / K5, max. 350 A; Iq = 10 kA Type: Class J / L, max. 350 A; Iq = 100 kA
to 575/600 V according to UL  — usable for High Faults at inside-delta circuit up to 575/600 V according to UL  operating power [hp] for 3-phase motors  • at 200/208 V at 50 °C rated value  • at 220/230 V at 50 °C rated value  40 hp	PROFIBUS  I/CSA ratings  manufacturer's article number  • of circuit breaker usable for Standard Faults  — at 460/480 V according to UL  — 60/480 V at inside-delta circuit according to UL  — 60/480 V at inside-delta circuit according to UL  — at 575/600 V according to UL  — at 575/600 V at inside-delta circuit according to UL  — at 575/600 V at inside-delta circuit according to UL  • of the fuse  — usable for Standard Faults up to 575/600 V according to UL  — usable for High Faults up to 575/600 V according to UL  — usable for Standard Faults at inside-delta circuit up to 575/600 V according to UL  — usable for High Faults at inside-delta circuit up to 575/600 V according to UL  — usable for High Faults at inside-delta circuit up to 575/600 V according to UL  operating power [hp] for 3-phase motors  • at 200/208 V at 50 °C rated value  • at 220/230 V at 50 °C rated value	Siemens type: 3VA52, max. 250 A; Iq = 10 kA Siemens type: 3VA52, max. 250 A; Iq max = 65 kA Siemens type: 3VA52, max. 250 A; Iq = 10 kA Siemens type: 3VA52, max. 250 A; Iq max = 65 kA Siemens type: 3VA52, max. 250 A; Iq = 10 kA Siemens type: 3VA52, max. 250 A; Iq = 10 kA Siemens type: 3VA52, max. 250 A; Iq = 10 kA Type: Class RK5 / K5, max. 350 A; Iq = 10 kA Type: Class J / L, max. 350 A; Iq = 100 kA Type: Class RK5 / K5, max. 350 A; Iq = 10 kA Type: Class J / L, max. 350 A; Iq = 100 kA  40 hp 40 hp
to 575/600 V according to UL  — usable for High Faults at inside-delta circuit up to 575/600 V according to UL  operating power [hp] for 3-phase motors  • at 200/208 V at 50 °C rated value  • at 220/230 V at 50 °C rated value  • at 460/480 V at 50 °C rated value  100 hp	PROFIBUS  I/CSA ratings  manufacturer's article number  • of circuit breaker usable for Standard Faults  — at 460/480 V according to UL  — 60/480 V at inside-delta circuit according to UL  — at 460/480 V at inside-delta circuit according to UL  — 60/480 V at inside-delta circuit according to UL  — at 575/600 V according to UL  — at 575/600 V at inside-delta circuit according to UL  • of the fuse  — usable for Standard Faults up to 575/600 V according to UL  — usable for High Faults up to 575/600 V according to UL  — usable for Standard Faults at inside-delta circuit up to 575/600 V according to UL  — usable for High Faults at inside-delta circuit up to 575/600 V according to UL  — usable for High Faults at inside-delta circuit up to 575/600 V according to UL  operating power [hp] for 3-phase motors  • at 200/208 V at 50 °C rated value  • at 460/480 V at 50 °C rated value	Siemens type: 3VA52, max. 250 A; Iq = 10 kA Siemens type: 3VA52, max. 250 A; Iq max = 65 kA Siemens type: 3VA52, max. 250 A; Iq = 10 kA Siemens type: 3VA52, max. 250 A; Iq max = 65 kA Siemens type: 3VA52, max. 250 A; Iq = 10 kA Siemens type: 3VA52, max. 250 A; Iq = 10 kA Siemens type: 3VA52, max. 250 A; Iq = 10 kA Type: Class RK5 / K5, max. 350 A; Iq = 10 kA Type: Class J / L, max. 350 A; Iq = 100 kA Type: Class RK5 / K5, max. 350 A; Iq = 100 kA  Type: Class J / L, max. 350 A; Iq = 100 kA
to 575/600 V according to UL  — usable for High Faults at inside-delta circuit up to 575/600 V according to UL  operating power [hp] for 3-phase motors  • at 200/208 V at 50 °C rated value  • at 220/230 V at 50 °C rated value  • at 460/480 V at 50 °C rated value  • at 200/208 V at inside-delta circuit at 50 °C rated value  75 hp	PROFIBUS  I/CSA ratings  manufacturer's article number  of circuit breaker usable for Standard Faults  — at 460/480 V according to UL  — 60/480 V at inside-delta circuit according to UL  — 60/480 V at inside-delta circuit according to UL  — at 460/480 V at inside-delta circuit according to UL  — at 575/600 V according to UL  — at 575/600 V at inside-delta circuit according to UL  of the fuse  — usable for Standard Faults up to 575/600 V according to UL  — usable for High Faults up to 575/600 V according to UL  — usable for Standard Faults at inside-delta circuit up to 575/600 V according to UL  — usable for High Faults at inside-delta circuit up to 575/600 V according to UL  — usable for High Faults at inside-delta circuit up to 575/600 V according to UL  operating power [hp] for 3-phase motors  at 200/208 V at 50 °C rated value  at 220/230 V at 50 °C rated value  at 200/208 V at inside-delta circuit at 50 °C rated value  at 200/208 V at inside-delta circuit at 50 °C rated value	Siemens type: 3VA52, max. 250 A; Iq = 10 kA Siemens type: 3VA52, max. 250 A; Iq max = 65 kA Siemens type: 3VA52, max. 250 A; Iq = 10 kA Siemens type: 3VA52, max. 250 A; Iq max = 65 kA Siemens type: 3VA52, max. 250 A; Iq = 10 kA Siemens type: 3VA52, max. 250 A; Iq = 10 kA Siemens type: 3VA52, max. 250 A; Iq = 10 kA Type: Class RK5 / K5, max. 350 A; Iq = 10 kA Type: Class J / L, max. 350 A; Iq = 100 kA Type: Class RK5 / K5, max. 350 A; Iq = 100 kA  Type: Class J / L, max. 350 A; Iq = 100 kA
to 575/600 V according to UL  — usable for High Faults at inside-delta circuit up to 575/600 V according to UL  operating power [hp] for 3-phase motors  • at 200/208 V at 50 °C rated value  • at 220/230 V at 50 °C rated value  • at 460/480 V at 50 °C rated value  100 hp	PROFIBUS  I/CSA ratings  manufacturer's article number  of circuit breaker usable for Standard Faults  — at 460/480 V according to UL  — 60/480 V at inside-delta circuit according to UL  — 60/480 V at inside-delta circuit according to UL  — at 460/480 V at inside-delta circuit according to UL  — at 575/600 V according to UL  — at 575/600 V at inside-delta circuit according to UL  of the fuse  — usable for Standard Faults up to 575/600 V according to UL  — usable for High Faults up to 575/600 V according to UL  — usable for Standard Faults at inside-delta circuit up to 575/600 V according to UL  — usable for High Faults at inside-delta circuit up to 575/600 V according to UL  — usable for High Faults at inside-delta circuit up to 575/600 V according to UL  operating power [hp] for 3-phase motors  at 200/208 V at 50 °C rated value  at 220/230 V at 50 °C rated value  at 200/208 V at inside-delta circuit at 50 °C rated value  at 200/208 V at inside-delta circuit at 50 °C rated value	Siemens type: 3VA52, max. 250 A; Iq = 10 kA Siemens type: 3VA52, max. 250 A; Iq max = 65 kA Siemens type: 3VA52, max. 250 A; Iq = 10 kA Siemens type: 3VA52, max. 250 A; Iq max = 65 kA Siemens type: 3VA52, max. 250 A; Iq = 10 kA Siemens type: 3VA52, max. 250 A; Iq = 10 kA Siemens type: 3VA52, max. 250 A; Iq = 10 kA  Type: Class RK5 / K5, max. 350 A; Iq = 10 kA  Type: Class J / L, max. 350 A; Iq = 100 kA  Type: Class RK5 / K5, max. 350 A; Iq = 100 kA  Type: Class J / L, max. 350 A; Iq = 100 kA
to 575/600 V according to UL  — usable for High Faults at inside-delta circuit up to 575/600 V according to UL  operating power [hp] for 3-phase motors  • at 200/208 V at 50 °C rated value  • at 220/230 V at 50 °C rated value  • at 460/480 V at 50 °C rated value  • at 200/208 V at inside-delta circuit at 50 °C rated value  75 hp	PROFIBUS  L/CSA ratings  manufacturer's article number  of circuit breaker usable for Standard Faults  — at 460/480 V according to UL  — 60/480 V at inside-delta circuit according to UL  — 60/480 V at inside-delta circuit according to UL  — at 575/600 V according to UL  — at 575/600 V according to UL  — at 575/600 V at inside-delta circuit according to UL  of the fuse  — usable for Standard Faults up to 575/600 V according to UL  — usable for High Faults up to 575/600 V according to UL  — usable for Standard Faults at inside-delta circuit up to 575/600 V according to UL  — usable for Standard Faults at inside-delta circuit up to 575/600 V according to UL  — usable for High Faults at inside-delta circuit up to 575/600 V according to UL  operating power [hp] for 3-phase motors  at 200/208 V at 50 °C rated value  at 220/230 V at 50 °C rated value  at 220/230 V at inside-delta circuit at 50 °C rated value  at 220/230 V at inside-delta circuit at 50 °C rated value	Siemens type: 3VA52, max. 250 A; Iq = 10 kA Siemens type: 3VA52, max. 250 A; Iq max = 65 kA Siemens type: 3VA52, max. 250 A; Iq = 10 kA Siemens type: 3VA52, max. 250 A; Iq max = 65 kA Siemens type: 3VA52, max. 250 A; Iq = 10 kA Siemens type: 3VA52, max. 250 A; Iq = 10 kA Siemens type: 3VA52, max. 250 A; Iq = 10 kA Type: Class RK5 / K5, max. 350 A; Iq = 10 kA Type: Class J / L, max. 350 A; Iq = 100 kA Type: Class RK5 / K5, max. 350 A; Iq = 10 kA Type: Class J / L, max. 350 A; Iq = 100 kA  40 hp 40 hp 100 hp 75 hp 75 hp

**Electrical Safety** 

protection class IP on the front according to IEC 60529

touch protection on the front according to IEC 60529 finger-safe, for vertical contact from the front with cover

Approvals Certificates

## **General Product Approval**







Confirmation

IP00; IP20 with cover





**General Product Ap**proval

EMV

**Test Certificates** 

Marine / Shipping





<u>KC</u>

Type Test Certificates/Test Report





Marine / Shipping

other

**Environment** 







**Environmental Confirmations** 

Information on the packaging

https://support.industry.siemens.com/cs/ww/en/view/109813875

Information- and Downloadcenter (Catalogs, Brochures,...)

Industry Mall (Online ordering system)

https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3RW5235-2AC14

Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RW5235-2AC14

Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...)

http://www.automation.siemens.com/bilddb/cax\_de.aspx?mlfb=3RW5235-2AC14&lang=en

Characteristic: Tripping characteristics, I2t, Let-through current

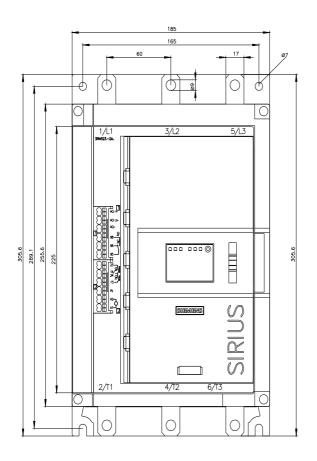
https://support.industry.siemens.com/cs/ww/en/ps/3RW5235-2AC14/char

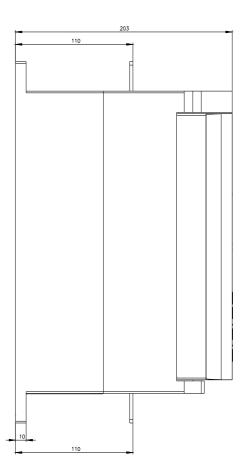
Characteristic: Installation altitude

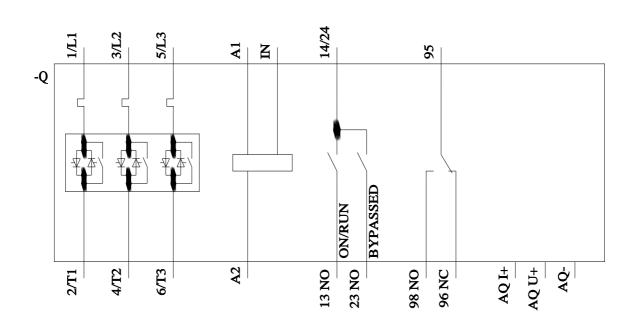
 $\underline{\text{http://www.automation.siemens.com/bilddb/index.aspx?view=Search\&mlfb=3RW5235-2AC14\&objecttype=14\&gridview=view1}$ 

Simulation Tool for Soft Starters (STS)

https://support.industry.siemens.com/cs/ww/en/view/101494917







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